



# Gas Unit Commitment Coordination

## 2014/2015 Winter Scope Proposal Review

10/17/14 v.2

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Date	Item
10/17/14	GUCC Meeting- Review Proposed 2014/2015 Winter Scope
10/20/14	GUCC Meeting- Finalize 2014/2015 Winter Scope
10/30/14	MRC 1 <sup>st</sup> Read
11/5/14	MIC Review
11/6/14	GUCC Vote
11/20/14	MRC Endorsement

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# Gas Unit Commitment Coordination Proposed 2014/2015 Winter Scope

Data Accuracy for Existing Fields

New Data Fields

File Upload Capability

Fuel Policy Updates

Last Updated Information

Notification Time Change Alert

Reinforce Critical Information and  
Reporting Requirements

Long Lead Units with > 14 hr. time to  
start

Operator Communication Clarification

Intraday Cost Schedule Updating

## Existing Data Fields

**Emergency Min/Max**  
**Economic Min/Max**  
**Notification Times**  
**Minimum Run Times**  
**Maximum Run Times**  
**Unit Status**

### Current Practice

- Updates to existing fields are sometimes provided verbally to dispatch



### Proposed Change

- Generation Owners are responsible for ensuring data accuracy in eMKT for next X days (up to 7 days) with emphasis during Hot and Cold Weather alert periods
- Reference= Manual 11, 13, All Call, Winter webinar training

## Manual 11- 2.3.4 Minimum Generator Operating Parameters – Parameter Limited Schedules

<http://www.pjm.com/~media/documents/manuals/m11.ashx>

There are three different types of exceptions to the Parameter Limited Schedule Matrix default values:

- o **Temporary Exception** – is a one-time exception lasting for 30 days or less during the twelve month period from June 1 to May 31.
- o **Period Exception** – is an exception lasting for at least 31 days but no more than one year during the twelve month period from June 1 to May 31.
- o **Persistent Exception** – is an exception lasting for at least one year.

## Operational Restrictions- Entered in Schedule (Daily)

**# of Operational Restrictions-** Select from dropdown of numbers

**What is the Operational Restriction-** Select from dropdown of pre-populated options and open text fields

**Hours at Full Load Remaining for Next 7 Days-** Enter hour value

### Current Practice

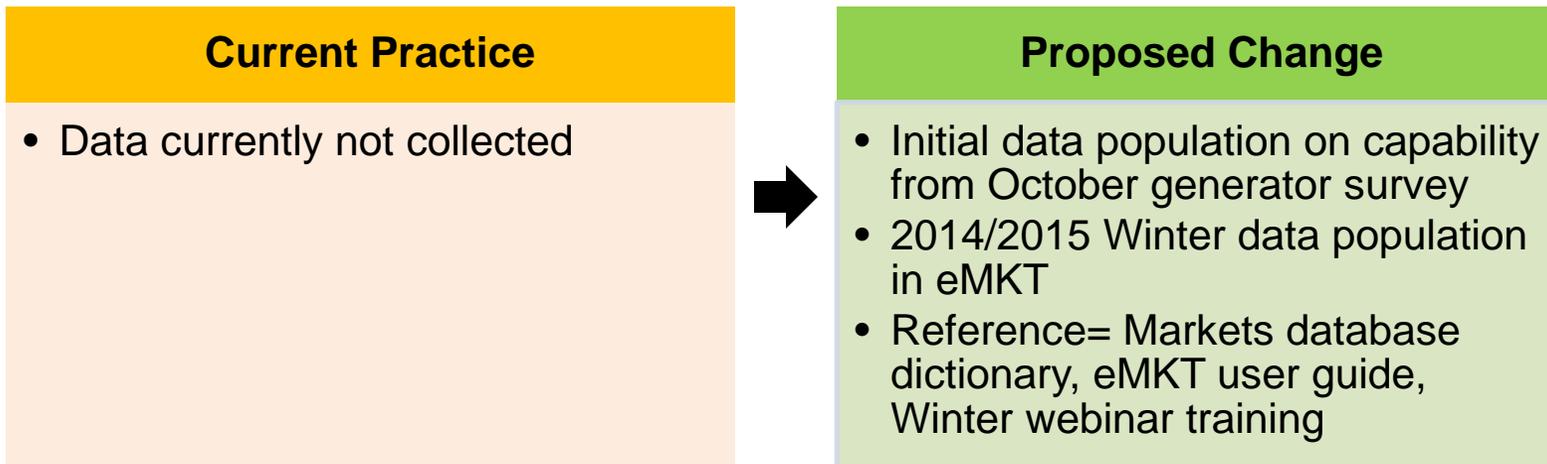
- Data currently not collected



### Proposed Change

- Initial data population from October generator survey
- 2014/2015 Winter data population in eMKT
- Reference= Markets database dictionary, eMKT user guide, Winter Webinar training

Fuel
<b>Dual Fuel Capability-</b> Select Yes/No (Unit Level)
<b>Dual Fuel Availability-</b> Select Yes/No (Schedule Level)
<b>Time to Transition-</b> Enter minute value (Schedule Level)
<b>MW Output During Fuel Transition-</b> Enter MW value (Schedule Level)
<b>Fuel Type-</b> Required (Schedule Level)
<b>Start Up Fuel-</b> Required (Schedule Level)



## File Upload Capability

**eMKT users will have the ability to submit updates for the new data fields via an XML upload.**

### Current Practice

- Generation owners can currently submit updates to existing data fields in eMKT via an XML upload.



### Proposed Change

- eMKT users will have the ability to submit updates for the new data fields via an XML upload.
- Implemented for 2014/2015 Winter
- Reference= eMKT user guide

## Fuel Policy for Inter-Day Cost Offers

**Fuel policy for intra-day offers (updated during operating day) based on actual/expected intra-day costs**

### Current Practice

- Fuel policy for day ahead offers (submitted before the operating day, day ahead or rebid) based on actual/expected day ahead/intra-day fuel costs is submitted in MA tool CODA (Cost Offer Data Application).
- Currently CODA tool is not available. CODA has been phased out by MIRA.



### Proposed Change

- Generation Owners will be responsible for submitting an updated fuel policy for intra-day offers (updated during operating day) based on actual/expected intra-day costs in MA tool MIRA (Member Information Reporting Application) tool. MIRA estimated implementation date is mid-Nov 2014.

## Last Updated Information

**Last Updated field added on the top of two pages:**

- **Unit Hourly Update page**
- **Schedule Detail page**

### Current Practice

- Data currently not displayed



### Proposed Change

- Last updated field will be displayed on the top of the Unit Hourly Update page and Schedule Detail page.
- Reference= eMKT user guide, Winter webinar training

## Notification Time Field Change Alert

**Internal- Provide PJM Dispatch ability to receive notification and assess impacts to Notification Time field changes**

### Current Practice

- Alert and information is currently not provided



### Proposed Change

- Additional column added to DMT for next hour TTS (notification + Start up time)
- Run CTO more frequently
- Reference= Training, DMT

## Reinforce Critical Information and Reporting Requirements

### Manual 14D Section 7.3 Critical Information and Reporting Requirements

7.3.1 Planned Outage

7.3.2 Maintenance Outage

7.3.3 Unplanned Outage

<http://www.pjm.com/~media/documents/manuals/m14D.ashx>

### Current Practice

- Manual 14D Section 7.3 Critical Information and Reporting Requirements



### Proposed Change

- Reinforcement Manual 14D Section 7.3 Critical Information and Reporting Requirements
- Reference= Training

## Long Lead Units with > 14 hr. time to start

Long lead time units (prior to DA) called on by PJM, in anticipation of a Cold/Hot Weather Alert, Max Emergency, Generation Alert, Weather/Environment Emergency, Sabotage/Terrorism Emergencies will be:

- Committed into the DA Market with the cost and unit parameters communicated to PJM at the time of the commitment
- Offer-capped at the cost offer provided to PJM
- Generators committed under this procedure will be run for the hours scheduled and will be included in the DA Market as indicated in Manual M-11
- Will run for either the maximum of their min run time or the profile provided by PJM at the time of the commitment

### Current Practice

- M11



### Proposed Change

- New manual language in M11(ERPIV) and M13

## Operator Communication Clarification

- Reminder to Generation Owners to update unit parameters in eMKT
- Clarification for natural gas and non-natural gas units on process followed by PJM to commit generation in advance of the DA market if sufficient generation cannot be cleared in the DA market (as referenced in Manual 13)

### Current Practice

- General reference in Manual 13



### Proposed Change

- Proposed Manual revisions to Manual 13
- Reference= M13, training, All Call